

# INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/08933

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K39/395 A61K39/00 G01N33/53 A61P35/00 //C07K16/30,  
C07K14/705

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EPO-Internal, MEDLINE, WPI Data, PAJ, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>FLIEGER DIMITRI ET AL: "A bispecific single-chain antibody directed against EpCAM/CD3 in combination with the cytokines interferon alpha and interleukin-2 efficiently retargets T and CD3+CD56+ natural-killer-like T lymphocytes to EpCAM-expressing tumor cells"</p> <p>CANCER IMMUNOLOGY IMMUNOTHERAPY, vol. 49, no. 8, October 2000 (2000-10), pages 441-448, XP002263709</p> <p>ISSN: 0340-7004</p> <p>abstract</p> <p style="text-align: center;">---</p> <p style="text-align: center;">-/-</p>	1,5,7,8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

17 December 2003

Date of mailing of the international search report

02/01/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nt,  
Fax: (+31-70) 340-3016

Authorized officer

Wagner, R

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/08933

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KIM 1 S K ET AL: "Effect of immunological adjuvant combinations on the antibody and T-cell response to vaccination with MUC1-KLH and GD3-KLH conjugates" VACCINE, BUTTERWORTH SCIENTIFIC, GUILDFORD, GB, vol. 19, no. 4-5, 15 October 2000 (2000-10-15), pages 530-537, XP004218125 ISSN: 0264-410X abstract ---	1-4
X	WO 01 35989 A (HIMMLER GOTTFRIED ; LOIBNER HANS (AT); IGENEON KREBS IMMUNOTHERAPIE) 25 May 2001 (2001-05-25) examples 4-6 ---	1-5,7,8
X	WO 00 06605 A (KUFER PETER ; ZETTL FLORIAN (DE); DREIER TORSTEN (DE); BAEUERLE PAT) 10 February 2000 (2000-02-10) page 52; example 3 ---	1-4,7
X	DI CARLO ANGELINA ET AL: "Evaluation of epidermal growth factor receptor, carcinoembryonic antigen and Lewis carbohydrate antigens in human colorectal and liver neoplasias" ONCOLOGY REPORTS, vol. 8, no. 2, March 2001 (2001-03), pages 387-392, XP009022189 ISSN: 1021-335X page 392 ---	9-12,14
X	GRATSA ANASTASIA ET AL: "Correlation of expression of NCAM and GD3 ganglioside to motile behavior in neoplastic glia" ANTICANCER RESEARCH, vol. 17, no. 6B, November 1997 (1997-11), pages 4111-4117, XP009022147 ISSN: 0250-7005 page 4114 ---	9
X	NANASHIMA A ET AL: "High serum concentrations of sialyl Tn antigen in carcinomas of the biliary tract and pancreas." JOURNAL OF HEPATO-BILIARY-PANCREATIC SURGERY. JAPAN 1999, vol. 6, no. 4, 1999, pages 391-395, XP002263710 ISSN: 0944-1166 abstract --- -/--	9-12,14

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/08933

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	SAUTER GUIDO ET AL: "Lewis Y/EpCAM co-expression in breast cancer is correlated with poor prognosis." PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH ANNUAL, vol. 44, July 2003 (2003-07), page 35 XP001156672 94th Annual Meeting of the American Association for Cancer Research; Washington, DC, USA; July 11-14, 2003, July 2003 ISSN: 0197-016X abstract	9-14, 21-24
X	SANDERS D S A ET AL: "Lewis blood group and CEA related antigens; coexpressed cell-cell adhesion molecules with roles in the biological progression and dissemination of tumours" MOLECULAR PATHOLOGY, vol. 52, no. 4, August 1999 (1999-08), pages 174-178, XP009022199 ISSN: 1366-8714 page 176	15

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/08933

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0135989	A	25-05-2001	AT 409086 B	27-05-2002
			AT 192799 A	15-10-2001
			AU 2357201 A	30-05-2001
			BR 0015597 A	23-07-2002
			CA 2391927 A1	25-05-2001
			CN 1390139 T	08-01-2003
			CZ 20021707 A3	16-10-2002
			EE 200200252 A	16-06-2003
			WO 0135989 A2	25-05-2001
			EP 1229936 A2	14-08-2002
			HU 0204216 A2	28-04-2003
			JP 2003514028 T	15-04-2003
			NO 20022333 A	03-06-2002
			NZ 518669 A	29-08-2003
			SK 6542002 A3	06-11-2002
WO 0006605	A	10-02-2000	AT 251181 T	15-10-2003
			AU 5728999 A	21-02-2000
			DE 69911793 D1	06-11-2003
			WO 0006605 A2	10-02-2000
			EP 1100830 A2	23-05-2001
			JP 2002521053 T	16-07-2002